

T. 7N R. 47E

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG Well No. 1

			X

United States of America, 1001 N. E. Holiday St.
Owner Bureau of Sport Fisheries & Wildlife Address Portland 8, Oregon

Driller George J. Askin Address Box 71, Miles City, Mont

Date Started June 28, 1957 Date Completed August 15, 1957

Location: Sec. 8 T. 7N R. 47E 1/4 sec. N.E.

Type of well Drilled (Dig, driven, bored, or drilled) Equipment used Cable tool rig (Churn drill, rotary, other)

Water use: Domestic

☒

Municipal

☐

Stock

☐

Irrigation

☐

Industrial

☐

Drainage

☐

Other: Fish Hatchery Purposes

Casing: 0 ft. to 32 ft. Type Steel Size 18"

Casing: 0 ft. to 616 ft. Type Steel Size 12"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 110' - 140' ~~xxxx~~ 370' - 490' ~~xx~~ 530' - 570' to ft.

Type of screen or perforations Slots in casing

Static Water level, for non-flowing well: 11 feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 135 feet at 350 gal. per min.

How tested: Pump

Length of test 32 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well # 1

Depth, feet		Description of Material Drilled
From	To	
0	2	Top soil
2	10	Sand
10	16	Gravel
16	73	Shale
73	99	Water bearing sand
99	103	Rock
103	105	Gray shale
105	107	Rock
107	140	Sand
140	150	Coal
150	200	Shale
200	206	Sand
206	243	Streaks of sand and shale
243	370	Shale
370	395	Sand
395	399	Rock
399	410	Sand
410	425	Shale
425	426	Rock
426	440	Sand
440	445	Rock
445	450	Sand
450	490	Shale
490	530	Sand
530	548	Rock
548	625	Sand

County Clerk and Ex-Officio Recorder
Custer County, Montana

2:50 O'clock A.M.
Dec. 14 1961
J. C. [Signature]

2303

File No.

T. 7 N. R. 47 E.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Custer
Miles City N.P.H.
Miles City, Montana
Well No. 1

Declaration of Vested Groundwater Rights

The United States of America
(Under Chapter 237, Montana Session Laws, 1961)
By J. T. Barnaby, Acting Regional Director
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service

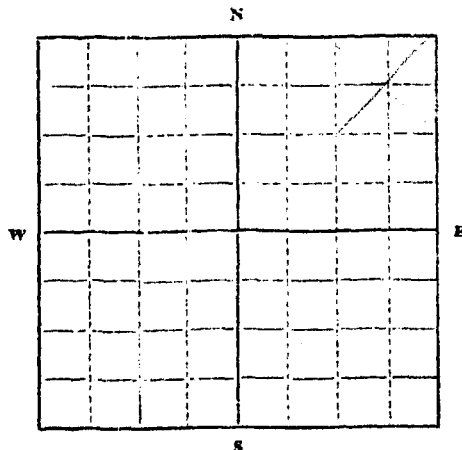
RECEIVED
JAN 6 1964

STATE ENGINEER

1. Department of the Interior, of 1002 N. E. Holladay, P. O. Box 3737, Portland
(Name of Appropriator) (Address) (Town)

County of Multnomah State of Oregon

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 8 T. 7N. R. 47E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based
Fish cultural use and domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 - This well has been used continuously since 1959
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 350 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
The United States of America
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater completed August 15, 1957
8. The depth of water table static water table 11 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 32' 18" steel casing 616' 14"
10. The estimated amount of groundwater withdrawn each year 300 acre feet
11. The log of formations encountered in the drilling of each well if available 0-2 topsoil, 2-10 sand, 10-16 gravel, 16-73 shale, 73-99 water bearing sand, 99-103 rock, 103-105 gray shale, 105-107 rock, 107-140 sand, 140-150 coal, 150-200 shale, 200-206 sand, 206-243 streaks of sand and shale, 243-370 shale, 370-395 sand, 395-399 rock, 399-410 sand, 410-425 shale, 425-426 rock, 426-440 sand, 440-445 rock, 445-450 sand, 450-490 shale, 490-530 sand, 530-548 rock, 548-600 sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Original signed by

J. T. BARNABY

Signature of Owner

J. T. Barnaby, Acting Regional Director

Date December 18, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21987
doc

11425

F I L E D
At 4:50 O'Clock P.
Dec. 31 1963
H. E. Anderson
County Clerk and Ex-Officio Recorder of
Custer County, Montana
by _____ Deputy

File No.

T. T. R. 17 E

DUPLICATE

County. Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Miles City H.F.H.
Miles City, Montana
Well No. 2

Declaration of Vested Groundwater Rights

JAN 6 1964

The United States of America, Chapter 237, Montana Session Laws, 1961)

By J. T. Barnaby, Acting Regional Director

Bureau of Sport Fisheries and Wildlife

Fish and Wildlife Service

Department of the Interior

(Name of Appropriator)

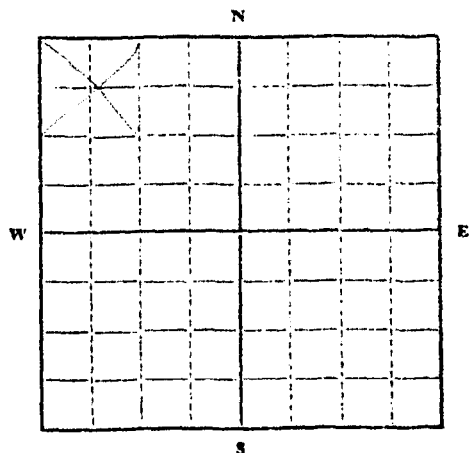
of 1002 N.E. Holladay, P. O. Box 3737, Portland

(Address)

(Town)

County of MultnomahState of Oregon

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 9 T. 7 N. R. 17 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Fish culture and domestic supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1959; Continuous use since 1959
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....100 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
The United States of America
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....Wells drilled in 1957, completed August 15.
8. The depth of water table.....Static water table 22 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....36 ft. of 18" steel casing plus 590 ft. of 12" steel casing
10. The estimated amount of groundwater withdrawn each year.....90 acre feet
11. The log of formations encountered in the drilling of each well if available.....0-2 topsoil, 2-21 shale, 21-29 gravel, 29-117 shale, 117-120 rock, 120-165 sand, 165-173 shale, 173-214 sand, 214-236 shale, 236-248 sand, 248-330 shale, 330-360 sand, 360-390 shale, 390-403 sand, 403-518 shale, 518-560 sand, 560-562 rock, 562-600 sand, 600-605 shale, 605-606 rock, 606-640 shale.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

original signed by

Signature of Owner.....

J. T. Barnaby, Acting Regional Director

Date.....December 18, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21988

11426

FILED

At 4:55 O'Clock P. M.

Dec. 31 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder
Custer County, Montana

Deputy

T. 7N R. 47E

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG Well No. 2

X			

Owner The United States of America, Address 1001 N.E. Holiday St.
Bureau of Sport Fisheries & Wildlife Portland 8, Oregon

Driller George F. Askin Address Box 71, Miles City, Mont.

Date Started July 1, 1957 Date Completed Sept. 30, 1957

Location: Sec. 9 T. 7N R. 47E $\frac{1}{4}$ sec. N.W.

Type of well Drilled Equipment used Cable tool rig
(Lug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: Fish Hatchery purposes

Casing: 0 ft. to 36 ft. Type Steel Size 18"

Casing: 0 ft. to 626 ft. Type Steel Size 12"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 110-200 to ft. 320 - 397 Ft. 525 - 595 to ft.

Type of screen or perforations Slots in casing.

Static Water level, for non-flowing well: 22 feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level feet at 100 gal. per min.

How tested: Pump

Length of test 28 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well # 2

Depth, feet		Description of Material Drilled
From	To	
0	2	Top soil
2	21	Shale
21	29	Gravel
29	117	Shale
117	120	Rock
120	165	Sand
165	175	Shale
175	214	Sand
214	236	Shale
236	248	Sand
248	330	Shale
330	360	Sand
360	390	Shale
390	403	Sand
403	518	Shale
518	560	Sand
560	562	Rock
562	600	Sand
600	605	Shale
605	606	Rock
606	640	Shale

County Clerk and Ex-Officio Recorder
Custer County, Montana

J. B. Anderson

FILE
9:35
O'clock
106

2304

File No.

DUPLICATE

T. 7 N. R. 47 E

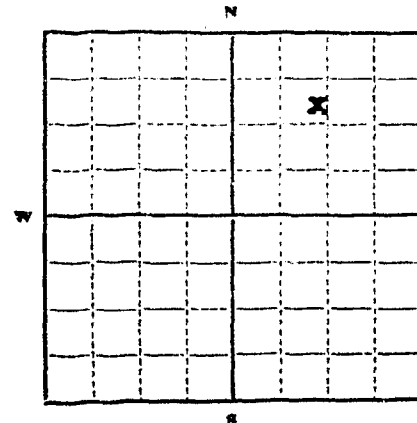
County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. JOHN A. AYE of 511 Main Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 10 T7 NR 47 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof one acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930
8. The depth of water table 50 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, 6" casing 50 feet deep
10. The estimated amount of groundwater withdrawn each year 3 acre feet
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date 12/27/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

25801

113356

Filed for Record

at 1:45 o'clock P.M.

DEC 30 1963

John M. Drumster
County Clerk

Deputy

Fee \$ 2.00

File No.

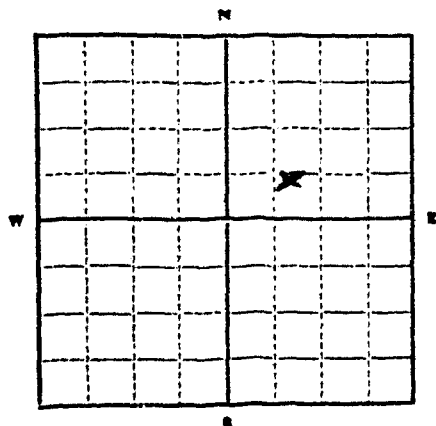
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 7N R. 47E 10
County Custer
RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

1. Glen Irion of Rt 1 Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 10 T. 7N R. 47E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Livestock and Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Not known by me
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gals. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Hard & Barden 1/2 Acre.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. information not available
8. The depth of water table. 150 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4" casing
10. The estimated amount of groundwater withdrawn each year. 5 gals. per min.
11. The log of formations encountered in the drilling of each well if available. NONE AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Glen Irion

Date Dec. 31 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

17001

11316

F I L E D

At 1:05 O'clock P.M.

Dec 3 / 1863

J. E. Anderson
County Clerk and Ex-Officio Recorder

Cust. County Treasurer
Ruth Rusk
Deputy

File No.

T. 7 N. R. 72 E.

DUPLICATE

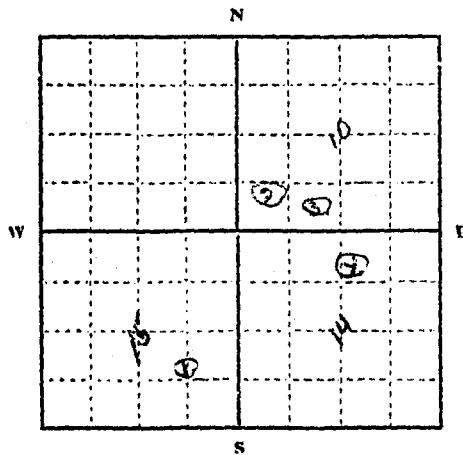
County Cole

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1958-1
1930-2-3-4Owner Chas. D. Samuel Address Helena, Mont.Contractor (if any) Chas. D. SamuelAddress of Contractor Helena, Mont.Date Started 1958 Date Completed 1958Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub-irrigation

..... 1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible.

- ① Sec 15-7N-47E SE 1/4 SW 1/4
② Sec 10-7N-47E SW 1/4 SW 1/4
③ Sec 14-7N-47E NW 1/4 NE 1/4

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

NO WAY TO MEASURE
estimate approximate lengths of periods of use 2-3-412-15-16 for 150 head cattle12-15-16 for 50head for fall 150 head

HAVE WATERED 500 HEAD FOR PERIODS OF TIME

CULU WATER 1000 HEAD

Signature of Owner Chas. D. SamuelDate 12-30-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

16901

File No. _____

T. 7N R. 42E

DUPLICATE

County Carter

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1958-1
1230-2-2-4

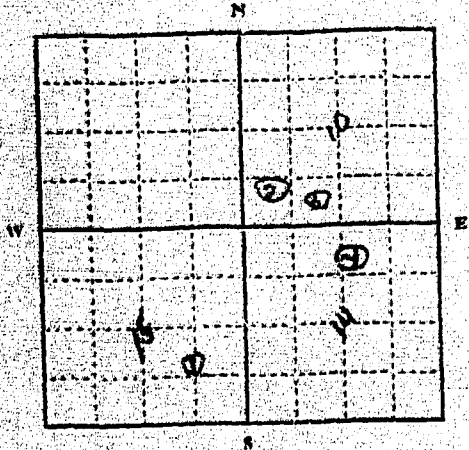
Owner W. D. Marshall Address Helena, Mont.

Contractor (if any) W. D. Marshall

Address of Contractor Helena, Mont.

Date Started 1958 Date Completed 1958

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural process



1/4 Sec. T. R.
Indicate point of appropriation
and place of use, if possible.

- ① Sec 15-7N-42E SE 1/4 SW 1/4
- ② Sec 10-7N-42E SW 1/4 SW 1/4
- ③ Sec 14-7N-42E NW 1/4 NW 1/4

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. 2-3-4

one 12 months for 150 head cattle
one 12 months for 50 head
one 12 months for 150 head

How Watered 500 head for period of 12 mo

Could Water 1000 head
Signature of Owner W. D. Marshall

Date 12-30-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

16901

1202

FILE

It 3:32 O'Clock 12
Dec 30 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder
Custer County, Montana

By _____

File No.

DUPLICATE

T. 7 N. R. 47 E

County. Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

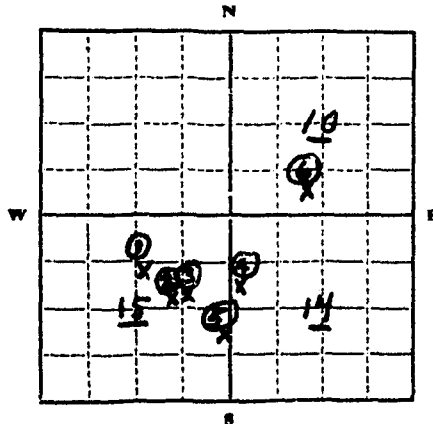
RECEIVED
DEC 10 1961

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Arlo D. Nansel of 315 S. Cottage, Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. 7. R. 47

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
House (3)(4)(5) Stock (1)(2)(3)(4)(5)(6)
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. (6) 1955 (2)(3) 1958 (1) 1961
(3)(4) began 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 GPM EACH
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
LAWN AND GARDEN
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
ELECTRIC SURFACE PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. N.A.
8. The depth of water table. (1)(2)(3)(4) 10-15 Foot (3)+(4) SURFACE
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
(1) 40 FT - 4" CASED (5) 40 FT - 4" CASING
(2) 40 FT - 4" CASED (6) 40 FT - 4" CASING
(3) 700 FT - 2" CASED (ARTESIAN)
(4) 700 FT - 2" CASED (ARTESIAN)
10. The estimated amount of groundwater withdrawn each year. (1)(2)(3)(4) 250,000 GALLONS EACH
(3)+(4) 700,000 GALLONS EACH
11. The log of formations encountered in the drilling of each well if available.
NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. NONE

Signature of Owner

Date. 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

14142

11201

F I L E
At 3:30 O'Clock *P*
Dec. 30 19 *63*
H. E. Anderson
County Clerk and Ex-Officio Recorder
Custer County, Montana
v. _____

File No.

DUPLICATE

T. 7 R. 47

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

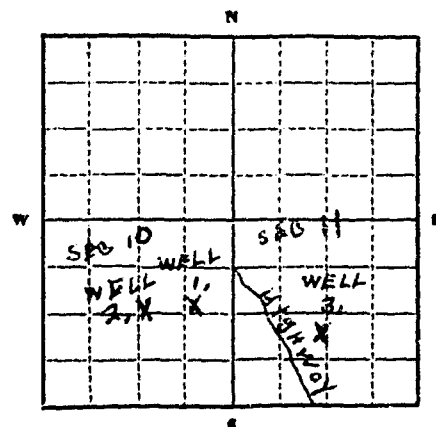
RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Pete Todoroff & Sons of P.O. Box 237 Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 11 T. 7. R. 47

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based: 1. Household
2. Household & Livestock 3. Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1. 1930 2. 1956
3. 1935
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1. 16 gal. per Min.
2. 18 gal. per Min. 3. 18 gal. per Min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
No Irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
1. Pressure System 2. Pressure System
3. Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1. December 1930 2. February 10, 1956
3. March 1935
8. The depth of water table: 1. 3.0 ft. 2. 4.0 ft. 3. 3.0 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 1. 16.0 ft.
2. 18.0 ft.
3. 16.0 ft.
10. The estimated amount of groundwater withdrawn each year: 1. 300,000 2. 900,000 3. 500,000
11. The log of formations encountered in the drilling of each well if available: 1. Not available
2. Wash. Out Sandstone Blue shale Gray shale
Blue shale Sandstone Limestone Sandstone Limestone
Sandstone Blue shale 3. Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:

PETE TODOROFF & SONS, a
Partnership.

Signature of Owner

Co-Partner

Date: 12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

10923

F I L E

At 10:25 O'Clock A M

Dec. 26 1963

J. E. Anderson

County Clerk and Ex-Officio Recorder
Custer County, Montana

By

Deputy

T 72 R 47 E

County Butte

RECEIVED
WATER CODE
FEE
JUN 21 1964

JUN 25 1964

(Under Chapter 237, Montana Session Laws, 1961)

(Elev. above sea level.....)

0-10 ft silt
10-37 gravel
37-97 gumbos
96-160 ft sand

Owner William H. Hendon Address Wile City

Driller Robert H. Williams Address W. Los Angeles

Date of Notice of Appropriation of Groundwater.....

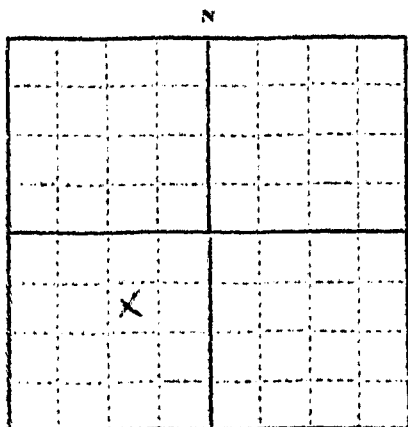
Date well started Feb 4, 1961 Date Completed Feb 11, 1961

Type of well..... Equipment Used..... *Rotary*
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Site of Shelled Egg	Size and weight of egg	From (Set)	To (Set)	PERFORATIONS		
L. Hole	standard 4"	C 30	37 160	photo 2	224	100



.....1/4..... Sec.10... T.70N. R.47E
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well.....feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level.....feet at.....gal. per minute.

Discharge in gal per min at flowing well..... 5.4

How Tested.....Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....

Driller's License Number

Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

3217

13179

F I L E D

At 11:25 O'Clock A. M.

June 22 1964

W. E. Anderson

County Clerk and Ex-Officio Recorder of
Custer County, Montana

By _____ Deputy

File No. _____

DUPLICATE

T. 7 R. 47

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 13 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Boyd Blum of Broadus Stage, Miles City, Montana
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

7N-47E		7N-48E	
	1 x		
	Sec. 13		
	2 x		
			3 x
			Sec. 27
	Sec. 21		

1/4 Sec. T. R.

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. 1. Livestock.
2. Household & Livestock. 3. Livestock.

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1. 1952 - continuous.
2. Unknown - 60 years ago - continuous.
3. 1958 - continuous.

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 1, 2, 3 - 5-7 GPM

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Not used for irrigation

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.
1 and 3 Power Engine - cylinder
2 Electric - Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.

8. The depth of water table. 1. 46 ft.; 2. 32 ft.; 3. 86 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. 1. 4" cased - 120 lf.
2. 2 1/2" cased - 189 lf., depth 210 lf.
3. 4" cased to 132 lf.

10. The estimated amount of groundwater withdrawn each year. 1. 300,000 gals. 2. 200,000 gals.
3. 200,000 gals.

11. The log of formations encountered in the drilling of each well if available. Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.

Signature of Owner

Gertrude G. Blum.
Boyd Blum

Date October 21, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

6996

10208

FILED
At 101050 Crook A
April 17 1963
H. E. Anderson
County Clerk and Ex-Officio Recorder of
Crook County, Montana
By Ruth Roark
Deputy

File No.

DUPLICATE

T. 7 R. 17

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

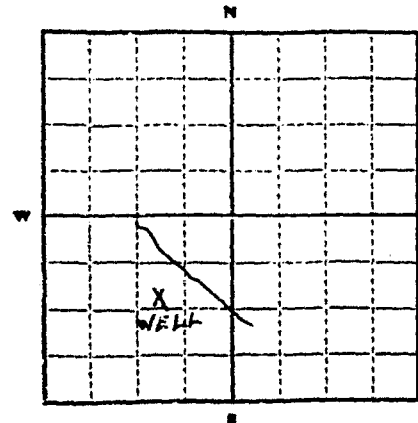
RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Pete Todoroff & Sons of T.O. Box 237 Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 Sec. 13 T. 7 R. 47

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Household and Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been December 1, 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
No Irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pressure System
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 17, 1948
8. The depth of water table 40 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
190 ft. depth 4 in. to 2 in. casing
10. The estimated amount of groundwater withdrawn each year 500/000
11. The log of formations encountered in the drilling of each well if available
Sandstone Blue shale Limestone Blue shale Sandstone Gray shale
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

PETE TODOROFF & SONS, A
Partnership.
Signature of Owner By Pete Todoroff
Co-Partner
Date 12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

FILED 10924
At 10:27 8'Clock A.
Dec. 26 1963
H. E. Anderson
County Clerk and Ex-Officio Recorder
Custer County, Montana
By _____ Deput.

File No.

2967

637 N

46-476

DUPLICATE

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

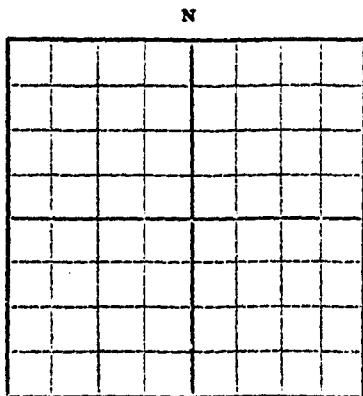
U. S. DEPARTMENT OF AGRICULTURE
(Name of Appropriator)

U. S. RANGE LIVESTOCK EXPERIMENT STATION
of 201 810, Miles City
(Address) (Town)

County of CUSTER

State of MONTANA

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Furnish water for domestic use and for watering livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been See Item 3, Exhibit I.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) See Item 4, Exhibit I.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal See Exhibit I and II for location. Wells equipped with windmills and auxiliary engines.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater See Item 7, Exhibit I.

8. The depth of water table See Item 8, Exhibit I. Water table given is depth to water bearing sands pumped.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater See Exhibit III. Logs of wells that are available.

10. The estimated amount of groundwater withdrawn each year See Item 10, Exhibit I.

11. The log of formations encountered in the drilling of each well if available See Exhibit III. Available logs.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record See filing records.

U.S. D.A., U.S. RANGE LIVESTOCK EXP. STATION

Signature of Owner

J.F. Sweeneyberry, Animal Husbandman in Charge

Date 1/24/62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

APPENDIX I.

ITEM NUMBER	Well Identification	Map Number	Section	Township	Range	1/4 Sec.	(3) Date of Earliest and Continuous Use	(4) Gallons Per Minute Claimed	(7) Date Drilled	(8) Depth of Water Table	(10) Estimated Gallons Ground-Water Pumped Each Year
No. 2 Well		123	13	7N	47E	NW	1948 to 1962	10	July 1948	210 ft.	359,856
No. 3 Pasture Well		131	7	6N	47E	NW	1950 to 1962	5	No record	22 ft.	105,754
No. 3 Well		132	3	6N	47E	NE	Prior to 1924-1962	10	No record	No log	158,630
No. 7 Well		133	26	6N	46E	SE	Prior to 1924-1962	10	No record	No log	335,866
No. 1 Well		134	17	7N	46E	NW	Prior to 1924-1962	10	No record	No log	246,758
Custer Flat Well		136	4	6N	45E	SE	1935 to 1962	2	Oct. 1935	412 ft.	112,435
Lower Lignite Well		137	2	6N	46E	NW	Prior to 1924-1962	5	No record	No log	185,069
Upper Lignite Well		138	12	6N	46E	NE	1948 to 1962	10	July 1948	620 ft.	287,885
Upper Coal Creek Well		139	31	6N	46E	SW	1942 to 1962	12	June 1942	289 ft.	89,467
2 C Bend Well		140	36	6N	47E	SW	1950 to 1962	10	June 1950	14 ft.	143,942
Camel Back Well		141	4	7N	46E	SW	1947 to 1962	10	Feb. 1947	616 ft.	215,914
Indian Creek Well		142	24	6N	46E	NW	1947 to 1962	12	Feb. 1947	615 ft.	188,006
Blakely Creek Well		143	4	7N	46E	SW	1942 to 1962	6	June 1942	680 ft.	89,467
Domestic Well #1		144	8	7N	46E	NW	1955 to 1962	60	June 1955	420 ft.	677,520
Domestic Well #2		145	7	7N	46E	NE	1958 to 1962	250	Oct. 1958	495 ft.	677,520
Hatchery Well		146	12	7N	46E	SE	No record	1.5	No record	600 ft.	699,048
Meadow Well		147	13	7N	46E	NE	1960 to 1962	10	July 1960	20 ft.	156,519
Field 3 Well		148	13	7N	46E	NE	1961 to 1962	5	Oct. 1960	102 ft.	173,300
Bug Back Well		149	26	6N	47E	SW	1932 to 1962	4	May 1932	194 ft.	146,880
Yuma Pine Well		150	21	6N	46E	SW	1932 to 1962	4	May 1932	115 ft.	146,880

File No.

TRIPLICATE

T. R.

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1961

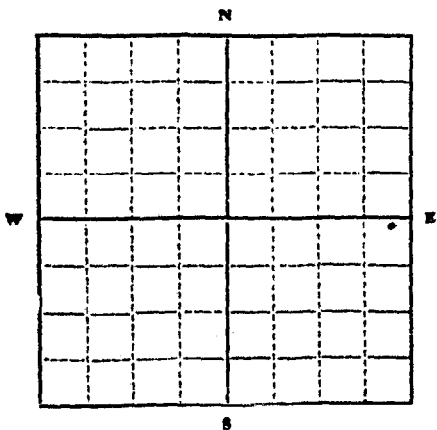
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Yarland (Name of Appropriator) of Bozeman, Montana (Address) (Town)

County of Yarland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
8. The depth of water table 150 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year 5000 gal
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Yarland

Date Jan 16 1961

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32560

File No.

TRIPLICATE

T. 2N R. 2E

County ...

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

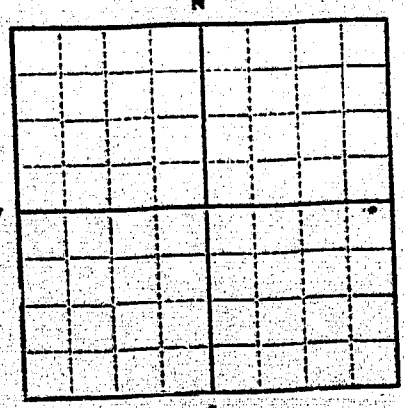
RECEIVED
JAN 15 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Yarland
Clayton M. Yarland of Bozeman Bozeman Mont.
(Name of Appropriator) (Address) (Town)
County of Yarland State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 Sec 17 T2N R2E
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based farm stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950
8. The depth of water table 180 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 in 120 ft
10. The estimated amount of groundwater withdrawn each year 50000 gal.
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Yarland

Signature of Owner Clayton M. Yarland
Date Jan 15, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32560

11542

FILED
At 11 35 O'Clock
Jan 13 1964
H. E. Anderson
County Clerk and Ex-Officio Recorder
Custer County, Montana
By Keith Rael
Deputy

T. 7N R. 47E
County Custer County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 11 1960

WATER WELL LOG

U. S. Range and Livestock
Owner Experiment Station

STATE ENGINEER
Address Miles City, Montana

Driller Ira C. Bond

Address Terry, Montana

Date Started September 1960

Date Completed October 60

Location: Sec. 18 T. 7N R. 47E $\frac{1}{4}$ sec. NW $\frac{1}{4}$

Type of well Drilled Equipment used Cable
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing Surface ft. to 31 ft. ft. Type steel Size 6"

Casing: surface ft. to 102 ft. Type steel Size 4"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 60 to ft. 82 Ft. _____ to ft. _____

Type of screen or perforations burned holes

Static Water level, for non-flowing well: rises 80 feet feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level 70 feet feet at _____ gal. per min.

How tested: drilled

Length of test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

199424

Depth, feet		Description of Material Drilled
From	To	
0	5	sandy soil
5	7	sand
7	29	gravel
29	54	clay
54	55	water zone
55	57	rock
57	62	clay
64	69	water sand
69	71	clay
73	81	water sand
81	102	clay

1145
March 10 1961
O'Clock 2
County Clerk and Ex-Officio Recorder of
Custer County, Montana
A. S. Anderson
With Proof
Deposited

Log of Well

[illegible]

199124

File No.

DUPLICATE

T. 7N R. 47E

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

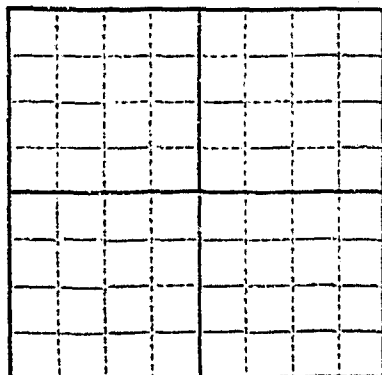
RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mary L. LaChute of Box 602 Bozeman
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lots 1-2-3

SW 1/4 of NW 1/4 of Sec 23 T 23N R 47E
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
Domestic and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1925
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
10 g.p.m.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
no
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
1925
8. The depth of water table.
20 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
130 ft deep 130 ft casing 25 ft perforation
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available.
0-15 Top sand 13-20 ft gravel 30 to 105 gravel 105 to 130 sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Mary L. LaChute
aka Mary LaChute
Date Dec 31st 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1703

11345

FILED
At 1:42 O'Clock P. M.
1911

County Clerk and Ex-Officio Recorder of
Custer County, Montana

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

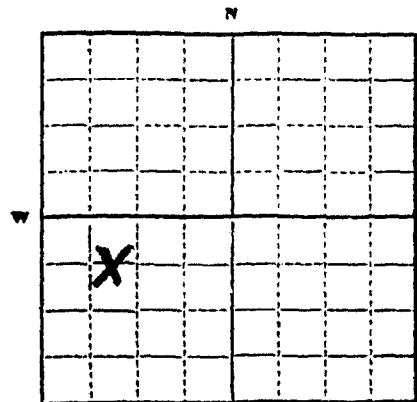
7 R 47
RECEIVED
DEC 1

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard and Radka Broadus Stage Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 SW 1/4 Sec 24 T. 7 R. 47

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based: Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous since 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gal.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: motor pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1948
8. The depth of water table: 85 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4" Casing - dept 95 feet
10. The estimated amount of groundwater withdrawn each year: 500,000 gal
11. The log of formations encountered in the drilling of each well if available:
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

13965

1003

FILED

At 2:07 O'Clock P.M.

Dec 27 1963

N. E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By Rand Rast

Depy

File No.....

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

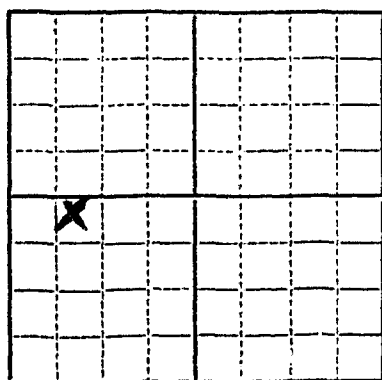
T. 7 R. 47
RECEIVED
DEC

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard and Radka Broadus Stega Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N $\frac{1}{2}$ S. W. $\frac{1}{4}$ Sec 24 T. 7 R. 47

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based stock
irrigation household

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been drilled 1910 used
continuously

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 15 gal.

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
1 acre. - lawn and garden
N $\frac{1}{2}$ S. W. $\frac{1}{4}$ - Sec 24 - T. 7 - R. 47

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
motor pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1910

8. The depth of water table 85 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 4" casing - dept 96 feet

10. The estimated amount of groundwater withdrawn each year 400,000 gal.

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record

Signature of Owner.....

Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

13963

11001

FILED

At 2:05 O'Clock P.M.

Dec 27 1963

A. E. Anderson
County Clerk and Ex-Officio Recorder

Custer County, Montana

Ruth Root
Deputy

GROUNDWATER INDEX

Page of

County CLUSTER

Twp.

7N

Rge.

48E

[illegible]

File No.

DUPLICATE

Sec 8 T 7 R 48

County

Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

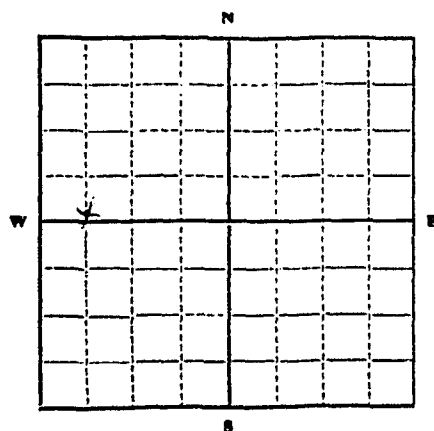
STATE ENGINEER

James R. J. Calhoun Mathis
(Name of Appropriator)

Box 516
(Address)

Philos City Mont
(Town)

County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec T R

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based watering
livestock

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been fifty years

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 100 gal per min

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
does not apply

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
Wind Mill & Rec Pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater about 50 years ago

8. The depth of water table 165'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 220' deep 3" Pipe

10. The estimated amount of groundwater withdrawn each year 240,000 gal

11. The log of formations encountered in the drilling of each well if available do not know

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.

Signature of Owner

J. Mathis

Date Dec 23 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

18998

FILE

At 11 35 O'Clock

Dec 27 1863

N. E. Anderson

County Clerk and Ex-Officio

Custer County

By *Ruth Root*

File No.

DUPLICATE

T. 7 R. 48

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

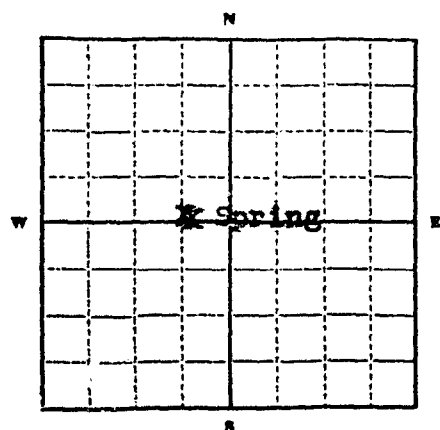
RECEIVED
NOV 13 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Boyd Blum of Broadus Stage, Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... $\frac{1}{4}$ Sec. 18. T7N. R. 48E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Stockwater
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....continuous
4. The amount of groundwater claimed (in miner's inches or gallons
per minute).....1 - 2 GPM
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Not used for irrigation
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Spring - developed

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....
8. The depth of water table.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
10. The estimated amount of groundwater withdrawn each year.....100,000 gals.
11. The log of formations encountered in the drilling of each well if available.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.....

Signature of Owner.....

Gertrude E. Blum
Boyd Blum

Date.....October 21, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

6995

10207

FILED

At 10:03 O'Clock A

MAY 12 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By Ruth Rusk Deputy

RECORDED
INDEXED
MAY 12 1963
CLERK OF DISTRICT COURT
MONTANA

File No.

DUPLICATE

T. 7 R. 10

County

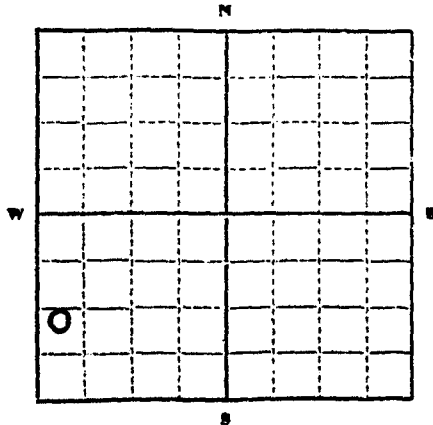
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard Padke of Broadus Stage Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 20 T 7 R 48

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.

Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.

1923 every
year since well was
drilled

4. The amount of groundwater claimed (in miner's inches or gallons per minute).

Five (5) gallons per
minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

Wind
mill or motor driven pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.

8. The depth of water table.

Approx. 90 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.

4" Four inch casing

10. The estimated amount of groundwater withdrawn each year.

150,000 gal

11. The log of formations encountered in the drilling of each well if available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record.

Signature of Owner.....

Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

13964

1-11-2

FILED

At 2:06 O'clock P.

Dec 27 1863

Wm. C. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Mont.

Ruth Root

DUPLICATE

Country: _____

(Under Chapter 237, Montana Statutes, 1973 Edition)

RECEIVED
NOV 13 1960
STATE ENGINEER

7N-47E N 7E-48E

$\frac{1}{x}$ Sec. 13	
$2x$	$\frac{3}{x}$ Sec. 27
Sec. 21	

.....1/4..... Sec..... T..... R.....

2. The beneficial use on which the claim is based. 1. Livoctock.
2. Household & Livestock. 3. Livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1. 1952 - continuous.
2. Unknown - 60 years ago - continuous.
5. 1953 - continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1, 2, 5 - 5-7 GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
 Not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
1 and 3. Power Machine - cylinder
2 Electric - Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

8. The depth of water table... 1. - 43 ft.; 2. - 52 ft.; 3. - 88 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1. 4" cased - 120 lf.
2. 2 1/2" cased - 100 lf., depth 210 lf.
3. 4" cased to 150 lf.

10. The estimated amount of groundwater withdrawn each year. 300,000 gals. 2. 200,000 gals.
5. 200,000 gals.

11. The log of formations encountered in the drilling of each well if available. Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner _____

Date October 21, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

File No. _____

T. 7 N R. 48 E

DUPLICATE
STATE WATER CONSERVATION BOARD

County _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

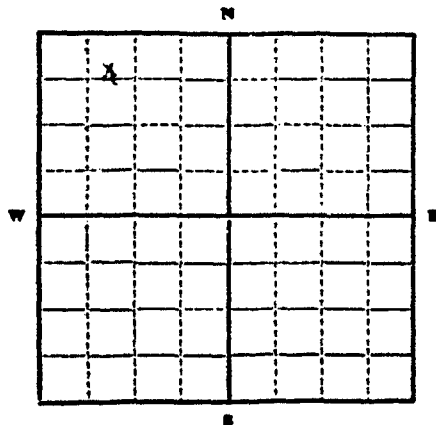
Blair _____
Bridges _____
Coyne _____
Darlington _____
Dickert _____

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Lynn McFarland of Broadus stage Miles City
(Name of Appropriator) (Address) (Town)

County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 30 T. 7 R. 48
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based House
stock water
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1945 continuous
daily
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 3-4 gal per min
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
3" Pressure Pump
Well 3' West of House lot 153017 R48
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Nov of Dec 1945 4 days work
8. The depth of water table 595 ft Rises to 20
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater Soft water 3 in dia 595 ft
10. The estimated amount of groundwater withdrawn each year 18250 gal
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record

Signature of Owner

Lynn McFarland
Date Dec 30 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

18796

F I L E

At 2:20 O'clock P.M.

Jan 3 1966

H. E. Anderson

County Clerk and Ex-Officio Recorder of

Custer County, Montana

Ruth Root

Deputy

File No.

DUPLICATE

T. 7N R. 48E

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

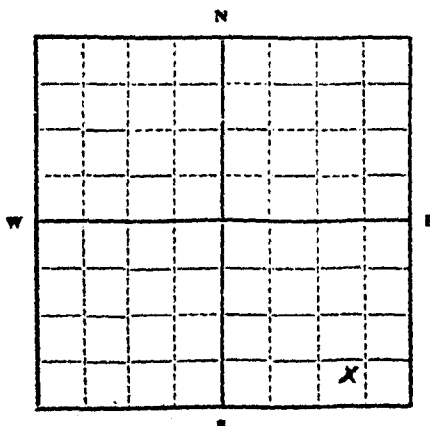
RECEIVED
DEC

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. J. Donald Ochsen of Broedus AT Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ Sec. 30 T7N R. 48E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1960
use has been continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
about 10 acres of land in
Sec 30 T7N R48E
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by hand pump and electric pump
electricity and electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 1960
8. The depth of water table 5.4 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in casing 19.5 ft deep
10. The estimated amount of groundwater withdrawn each year 1,000,000
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other record

Signature of Owner J. Donald Ochsen

Date 12/23/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11156

FILED

At 2:12 O'Clock P.M.

Dec 30 1963

County Clerk & Ex-Officio Recorder

Custer County, Montana

[Signature]

File No.

DUPLICATE

T. 7N R. 48E

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

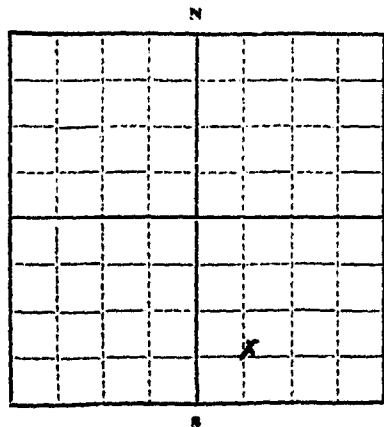
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

J. Donald Fern A. Ochsen of Broadus RT Miles City
(Name of Appropriator) (Address) (Town)

County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ Sec 30 T. 7N R. 48E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. House
Livestock and Irrigation
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1915. It has
been used continuously since
it was drilled.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute). 8 gal per minute
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied, and name of the owner thereof
about 2 acres in Sec 30 around
the house, 7th range of the
land of J. Donald and Fern A. Ochsen
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal. Electricity
and electric pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. 1915
8. The depth of water table. 20 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. It is a drilled well 4 in casing
500 ft deep.
10. The estimated amount of groundwater withdrawn each year. 1,000,000 gal
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. no county record.

Signature of Owner

Date 12/23/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

11898

FILED

At 2:10 O'Clock P

Dec 23 1963

H. E. Anderson
County Clerk and Ex-Officio Recorder of

Custer County, Montana

Ruth Rask Deputy

File No.

DUPLICATE

T. 7N R. 48E

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 17

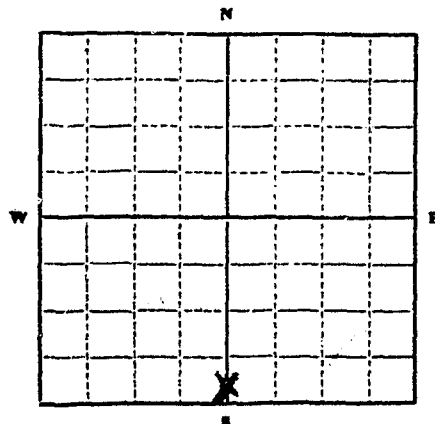
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

J. Donald Ochsner & Fern A. Broadus RT Miles City
(Name of Appropriator) (Address) (Town)

County of CUSTER State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW $\frac{1}{4}$ Sec. 31 T. 7N R. 48E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Livestock

3. Date or approximate date of earliest beneficial use, and how continuous the use has been Mar 1957
use is continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electricity
and electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Mar 1957

8. The depth of water table 10 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in casing 180 ft deep

10. The estimated amount of groundwater withdrawn each year 250,000 gal

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other record

Signature of Owner J. Donald Ochsner

Date 12/23/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

14098

1155

FILED

At 2:11 O'Clock P.M.

Dec 30 1963

V. G. Anderson

County Clerk and ex-Officio Recorder of

County of Madison

Kurtz Road

File No.

DUPLICATE

T. 7 N R. 48 E 33

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

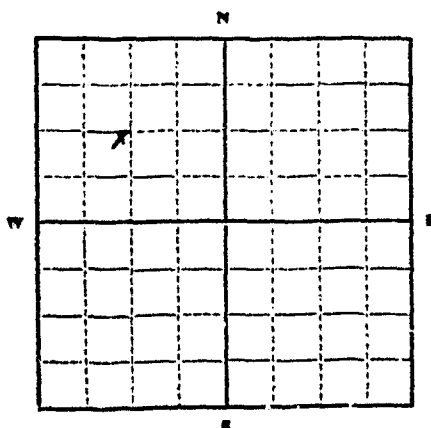
STATE ENGINEER

J. Donald Ochsen I Fern A. of Brookings AT MILES CITY
(Name of Appropriator) (Address) (Town)

County of CUSTER

State of MONTANA

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 33 T. 7 N R. 48 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. water
irrigation

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. 1946
summer and winter time
stock water

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 5 gpm per minute

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
none

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal. well
equipped with pump jack and
cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. 1946

8. The depth of water table. 40 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. 4 in casing 450 ft deep

10. The estimated amount of groundwater withdrawn each year. 250,000 gal

11. The log of formations encountered in the drilling of each well if available. 7 to log is
not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. no county record

Signature of Owner

Date 12/23/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

10899

FILED

At 3:15 9'Clock P.M.

Dec 23 1963

H. E. Anderson
County Clerk and Ex-Officio Recorder of

Custer County Montana

Ruth Rock

Deputy

Page of

County CLUSTER Twp. 7N Rge. 49E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
7	HUBBARD, LOREN	GW-4	10935	
7	HUBBARD, LOREN	GW-4	10936	
8	HUBBARD, LOREN	GW-4	10937	
8	JONES, J.R.	GW-3	11326	
10	JONES, J.R.	GW-4	11320	
10	JONES, J.R.	GW-4	11325	
12	JONES, J.R.	GW-4	11321	
12	JONES, J.R.	GW-3	11327	
13	JONES, J.R.	GW-4	11322	
19	MURRAY, W.D.	GW-4	8672	
30	MURRAY, W.D.	GW-4	8671	
7	HUBBARD, LOREN	GW-4	10935	

File No. _____

T. 7 R. 49

DUPLICATE

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____

Owner Loren Hubbard Address Roundville Stage, Miles City, Mont.

Contractor (if any) None

Address of Contractor _____

Date Started _____ Date Completed _____

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Natural Spring

Quantity of _____ developed and used with explanation of method used to measure and estimate such amount. If use is intermittent

estimate approximate lengths of periods of use _____

This water for house hold use

Signature of Owner Loren Hubbard

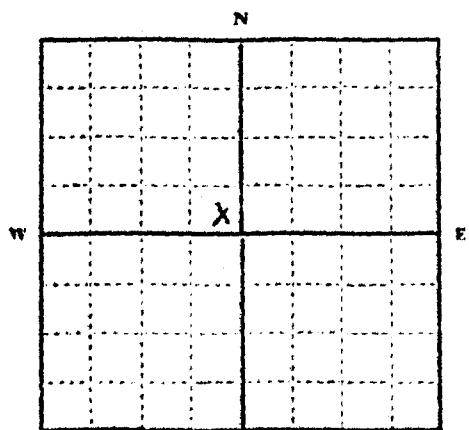
Date Dec. 21, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



NW 1/4 Sec. 7 T. 1 R. 49
Indicate point of appropriation
and place of use, if possible.

10938

F I L E D

At 11:02 O'Clock P.M.

Dec 26 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By Ruth Hest